NanoDrop® Lite

Thermo SCIENTIFIC

Basic Microvolume UV-Vis Spectrophotometer for simple sample analysis delivered in compact footprint

The NanoDrop Lite uses the same sample retention system that has become a hallmark of NanoDrop instruments. Whilst it is designed with fewer features than the NanoDrop 2000 and NanoDrop 8000 series, the NanoDrop Lite delivers where it counts: rapid, accurate and reproducible microvolume measurements without the need for dilutions.

- Measures nucleic acid concentration at 260 nm and purity using the 260/280 ratio
- Measures purified protein concentration at 280 nm
- Employs the unique NanoDrop microvolume sampling technology
- Delivers the accuracy and reproducibility expected from NanoDrop instruments
- Uses built-in controls and software - no computers required
- Offers an optional printer for cryogenic labels

With its compact design, built-in controls and software, the NanoDrop Lite is small enough to fit on any benchtop, but powerful enough to provide routine measurements for life science workflows.

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NanoDrop® Lite Specifications

Instrument Type	Spectrophotometer
Minimum Sample Size	1.0 µl
Sample Number	1
Path Length	0.5mm
Light Source(s)	Light emitting diodes
Detector Type	Silicon photodiode
Wavelength Range	260 and 280 nm
Spectral Resolution	< 8.0 nm
Absorbance Precision	0.002*
Absorbance Accuracy**	3% (at 1.05 Abs at 260 nm)
Absorbance Range (10 mm equivalent)	0 -30 Abs
Lower Limited of Detection	4 ng/µL (dsDNA) 0.12 mg/mL (BSA)
Maximum Concentration	1500 ng/µl (dsDNA)
Measurement Time	< 5 seconds
Footprint	16 x 11.5 cm
Operating Voltage	6 V (DC)
Operating Power Consumption	18 W
Standby Power Consumption	< 2.5 W
Software Compatibility	Local control only

*SD of 10 individual measurements at 0.74 Abs
**Absorbance expressed at Abs/mm measured at 25°C

Infos - Démo - Devis

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Contactez nos spécialistes d'applications
Pour recevoir un descriptif technique complet ou avoir une présentation
01 30 85 92 89 ou equipement@ozyme.fr